.25(2)

SOV/91-59-6-10/33

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AUTHOR:

Ganetskiy, A.A., Engineer

TITLE:

The Manufacture of Lens Compensators by Rolling with

a Roller in a Face Lathe

PERIODICAL:

Energetik, 1959, Nr 6, pp 14-15 (USSR)

ABSTRACT:

The Stalinogorskiy kotel'no mekhanicheskiy zavod (Stalinogorsk Boiler-Mechanical Plant) of the trust Tsentroenergomontazh has developed a new machine method of manufacturing semi-lens compensators (Figure 1). The rotating blank is held by the chuck of a face lathe with the help of a mandrel and is rolled over by a special roller. Blanks of semi-lenses of up to 800mm diameter are cut out of steel sheet, whereas those of a larger diameter are welded together from 2-3 parts. The semi-lenses can be machined not only in a

Card 1/2

face lathe but also in a boring and turning lathe with

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SOV/91-59-6-10/33
The Manufacture of Lens Compensators by Rolling with a Roller in a Face Lathe

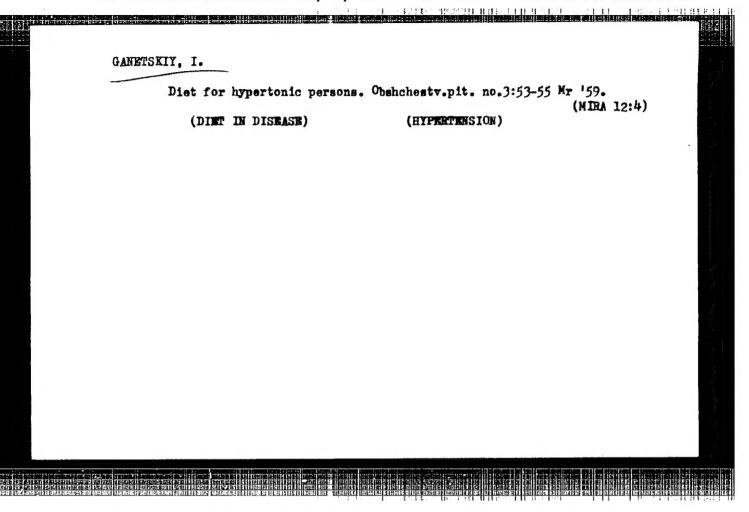
sufficiently large face plate, and in a flange lathe with sufficient height of the points. The machining of blanks is performed at a rotation speed of 1½-2 m/sec, takes 2-3 minutes. The lens compensator is welded together from semi-lenses by electrical welding. The article contains a brief description of the machining operation. There are 4 sets of diagrams.

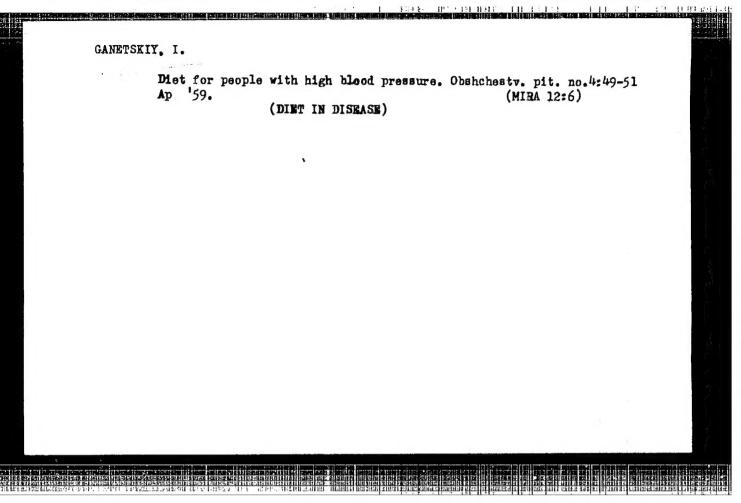
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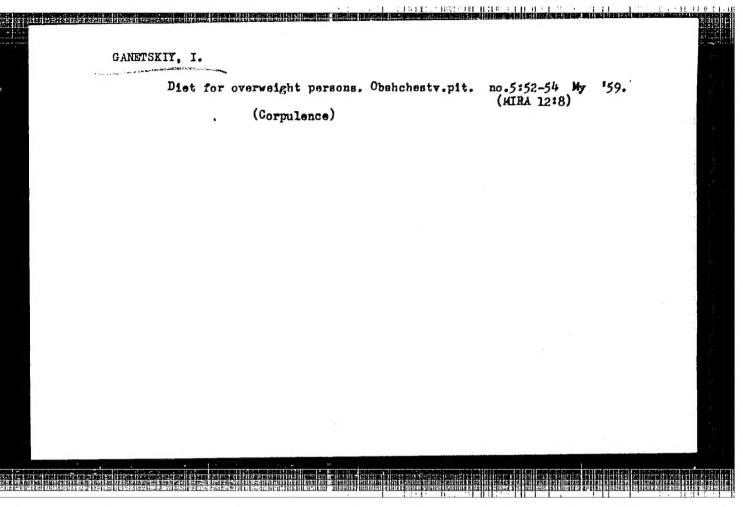
GARRISKIY, I. D.

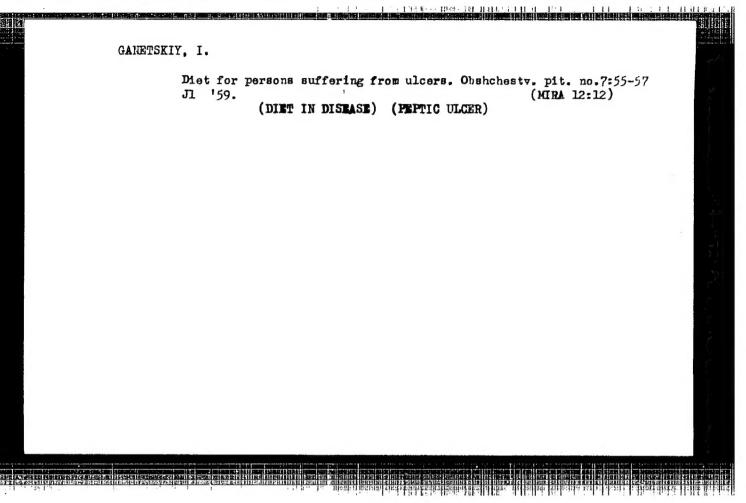
Rukovodstvo po lechebnoi kulinarii i sostavlenie meniu dlia sanatoriov i domov\_otdykha / Manual of diet cookery and menus for sanatoriwas andrest homes/. Medgiz, 1953. 816 p.

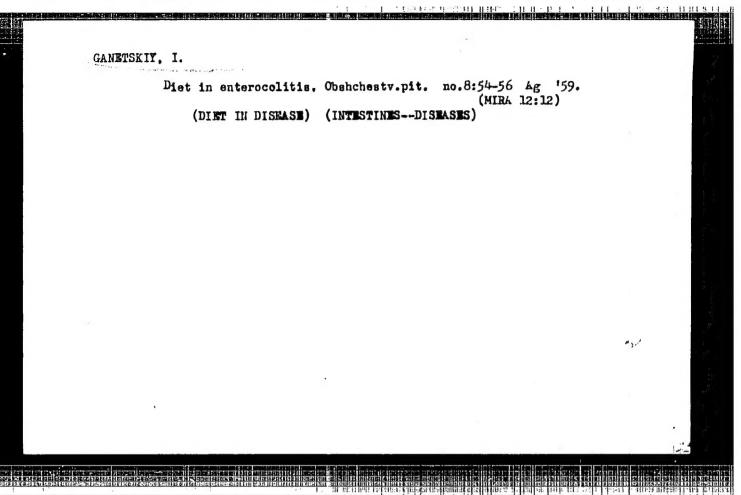
SO: Monthly List of Russian Accessions. Vol. 6 No. 7 October 1953

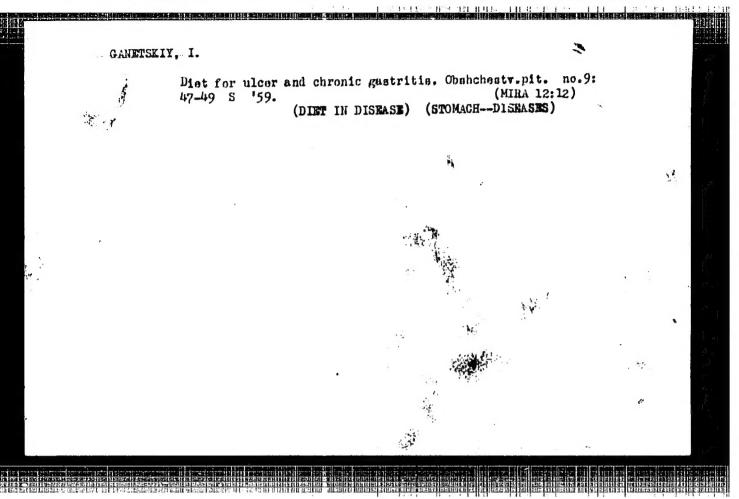


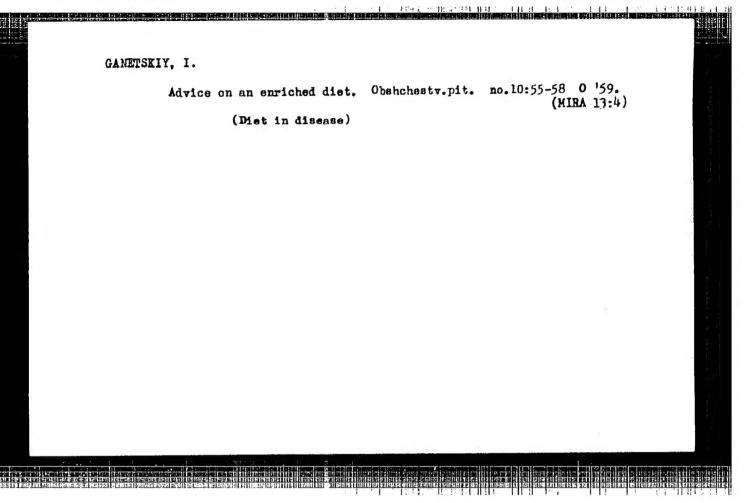


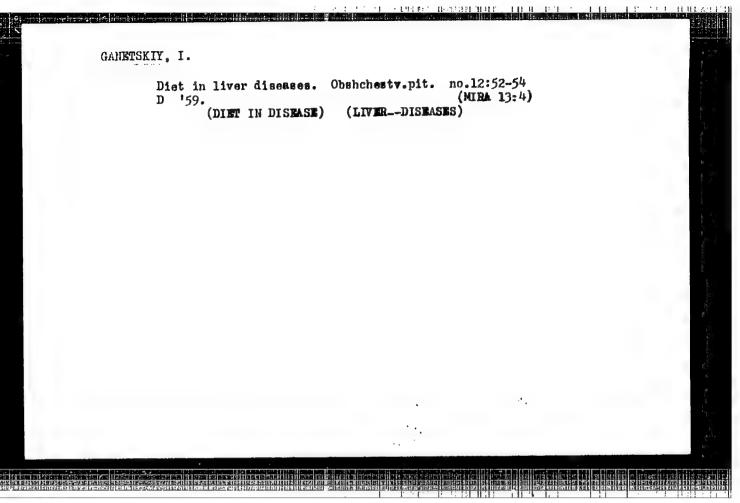


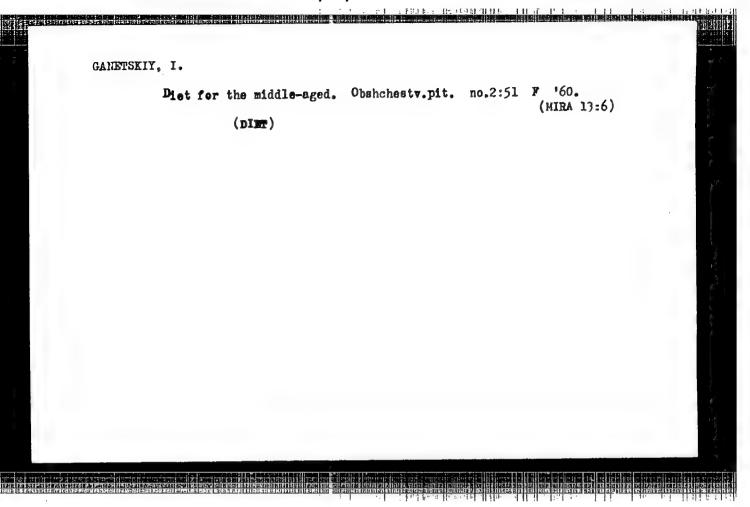


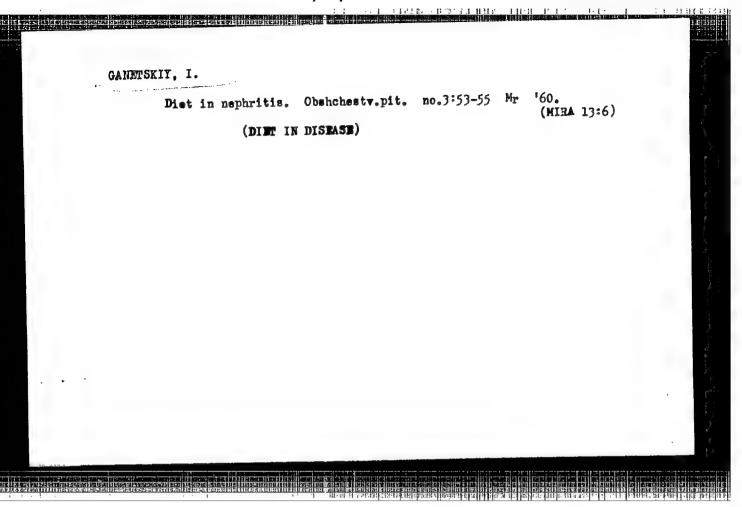












MOLCHANOVA, O.P., prof.; LOBANOV, D.I., prof.; MARSHAK, M.S., prof.;

GANETSKIY, I.D.; BEREZIN, N.I., laureat Stalinskoy premii;

KONNIKOV, A.G., laureat Stalinskoy premii; LIFSHITS, M.O.;

METLITSKIY, L.V., doktor sel'skokhoz.nauk; NAMESTNIKOV, A.F.,

kand.tekhn.nauk. Prinimali uchastiyo: ANAN'YEV, A.A.; GROZNOV,

S.R.: YEFIMOV, V.P.; KIKNADZE, N.S.; NIKASHIN, P.P.; PIROGOV,

N.M.; SKRIPKIN, G.M.; TSYPLSNKOV, N.P. SIVOLAP, I.K., red.;

SKURIKHIN, M.A., red.; BETSOFEN, Ya.I., red.; DAMASKINA, G.B.,

red.; PRITIKINA, L.A., red.; KISINA, Ye.I., tekhn.red.

[Book on tasty and healthy food] Kniga o vkusnoi i zdorovoi

pishche. Moskva, Pishchepromizdat, 1961. 423 p.

(MIRA 15:2)

1. Calen-korrespondent AMN SSSR (for Molchanova).

ABATUROV, P.V.; GROZNOV, S.R.; GANETSKIY, I.D.; KCZYREVA, Ye.A.;

NOVITSKAYA, L.A.; ODINTSOV, A.I.; PROTOPOPOV, S.I.; SIDOROV,

V.A.; SIDOROVA, L.I.; TROFIMOVA, V.I.; TRUSHINA, I.V.; SHTEYMAN,

R.A.; DUNTSOVA, K.C., red.; KAZENOVA, A.R., red.; MARSHAK, M.S.,

prof., red.; MOLCHANOVA, O.P., prof., red.; SALOMATINA, K.Z.,

red.; KAGANOVA, A.A., redl; MEDRISH, D.M., tekhn. red.

[Dietetic cookery in eating establishments]Dieticheskoe pitanie v

stolovykh; sbornik retseptur i tekhnologiia prigotovleniia bliud.

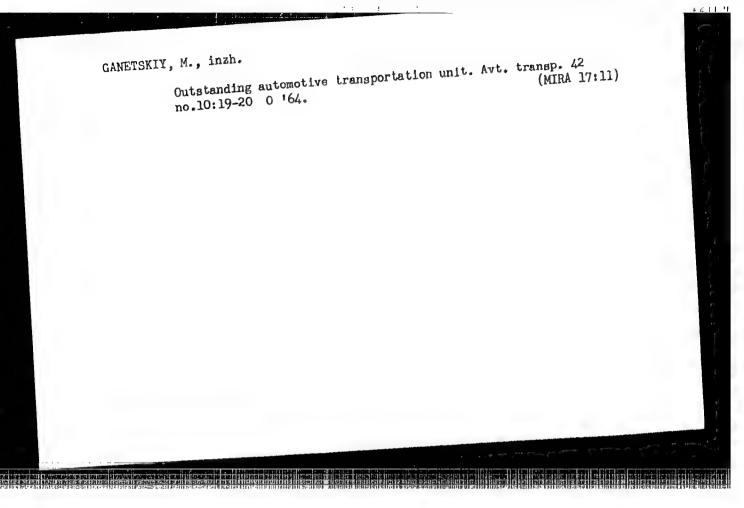
Moskva, Gos.izd-vo torg.lit-ry, 1962. 262 p. (MIRA 16:1)

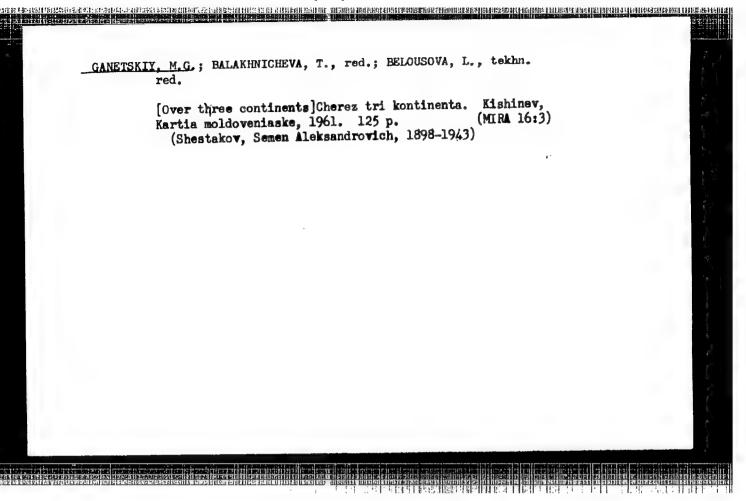
1. Russia (1917- R.S.F.S.R.)Ministerstvo torgovli.

(COOKEN 1984 113 2001)

# "APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614220010-5





Harvesting grain in separate operations. p. 18 MASHINIZIRANO ZEFEDELIE. Vol. 7, No. 6, June 1956

Sofiya, Bulgaria

GANEV, A.

So. East European Accessions List

Vol. 5, No. 9

September, 1956

GANEV, A.,; SINAFOV, D.

Introducing the principles of cost accounting in the tractor brigades of the machine-trator stations.

P. 6, (Mashinizirano Zemedelie) Vol. 8, no. 7, July 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, 11 November 1957

GANEV, A. I.

# UESR/Medicine - Infectious Diseases

Nov 50

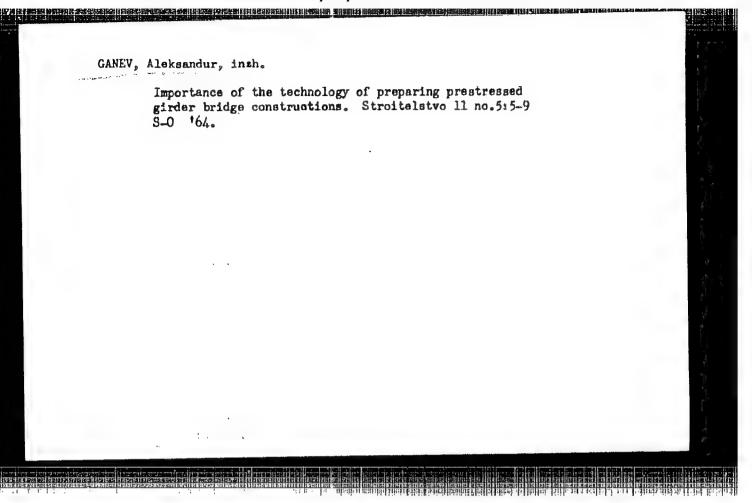
"Results of Experiments With Glukhovtsev's Aluminum Hydroxide Formol Vaccine Against Erysipelas in Pigs," A. I. Ganev, Vet

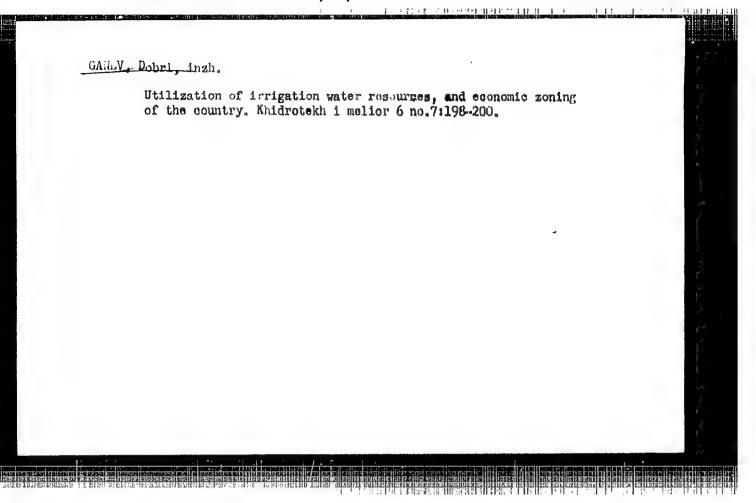
"Veterinariya" No 11, p 29

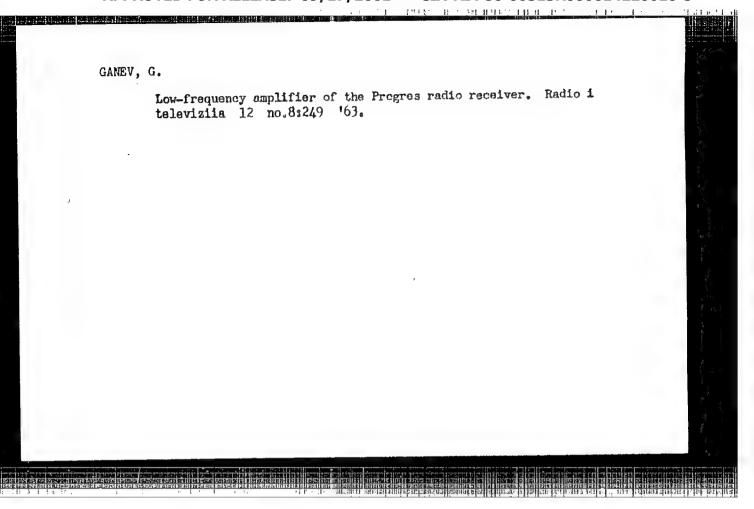
Vaccine, administered in dose of 3 ml, provides immunity against baccillary erysipelas in pigs for 6 mo. Dose of 5 ml provides immunity for up to 1 yr. Observed no complications after vaccination.

186**T9**4

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H-31

GANEV, G.

BULGARIA/Chemical Technology. Chemical Products and Their

Application. Natural and Synthetic Caoutchouc.

Rubber.

Abs Jour: Ref. Zhur-Khimiya, No 11, 1958, 38232.

Author : Nikolinski P, Ganev G.

: Not given. Inst : Fixing of the Molecular Orientation in the Vulcaniza-Title

tion of Rubber

Orig Pub: Godishnik Khim-tekhnol in-t, 1955 (1956), 2, No 2,

137-149.

Abstract: The durability of vulcanization can be raised sub-

stantially if the batches of the rubber mixture are first scorched and then stretched and vulcanized. The increase in durability is explained by orientation, and by the subsequent fixation of the orientated

: 1/3 Card

> CIA-RDP86-00513R000614220010-5" APPROVED FOR RELEASE: 09/17/2001

H-31

BULGARIA/Chemical Technology. Chemical Products and Their Application. Natural and Synthetic Caoutchouc. Rubber.

Abs Jour: Ref. Zhur-Khimiya, No 11, 1958, 38232.

structure during vulcanization. Rubbers obtained by vulcanization of crude stretched mixtures also show an increase in durability (of 10%); however, the effect appears substantially only if the mixtures are scorched Mixtures of rubber with low plasticity show a high degree of orientation. The durability-increase effect has a maximum dependent on the S content. In mixtures of NK (S 3%, 5 minutes of scorching, 20 minutes of vulcanization at 142), with an optimum elongation of 15%, the durability of a vulcanized batch doubled in the direction of elongation, and decreased 8% laterally. In addition, the relative lengthening at the break decreased by 35% in the direction

card : 2/3

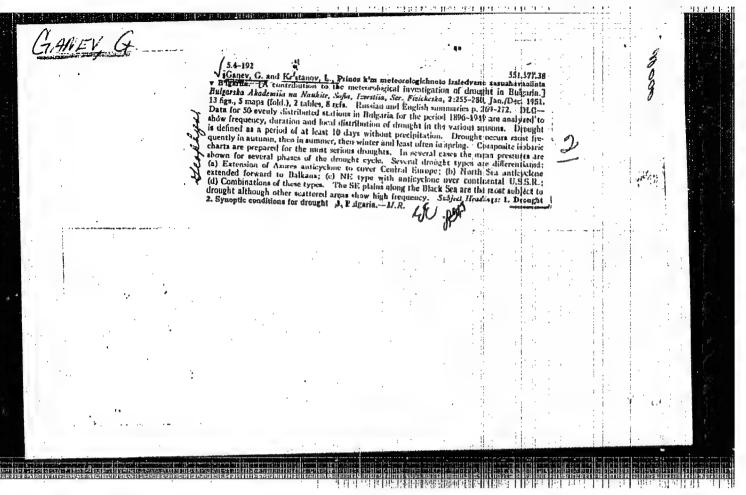
BULGARIA/Chemical Technology. Chemical Products and Their Application. Natural and Synthetic Caoutchouc. Rubber.

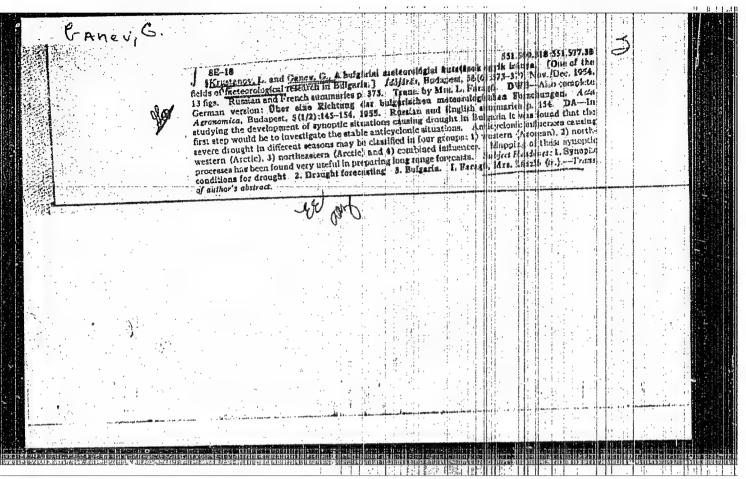
H-31

Abs Jour: Ref. Zhur-Khimiya, No 11, 1958, 38232

of elongation and increased by 13% laterally. The drop of the scorching temperature from 142° to 60°, and the simultaneous increase of vulcanization time from 5 to 1200 minutes, contributed to the increase in the durability of the rubbers. The effect of the increase in durability during vulcanization with elongation is observed in greater measure in NK than in Na-butadiene rubber.

card : 3/3





GANEY, G.; KHADZHIEV, D.; KARAMALAKOV, L.; TSEKOVA, M.; SIRAKOV, A.; ATANASOV, K.; CHANKOV, I.; TSOLOV, N.; VASILEVA, I.

Treatment of parkinsonism with a new preparation INHA-17. Suvrem med., Sofia no.4/5:35-44 61.

1. Iz Nauchnoizsledovatelskiia institut po nevrologiia i psikhiatriia. (Direktor G. Ganev).

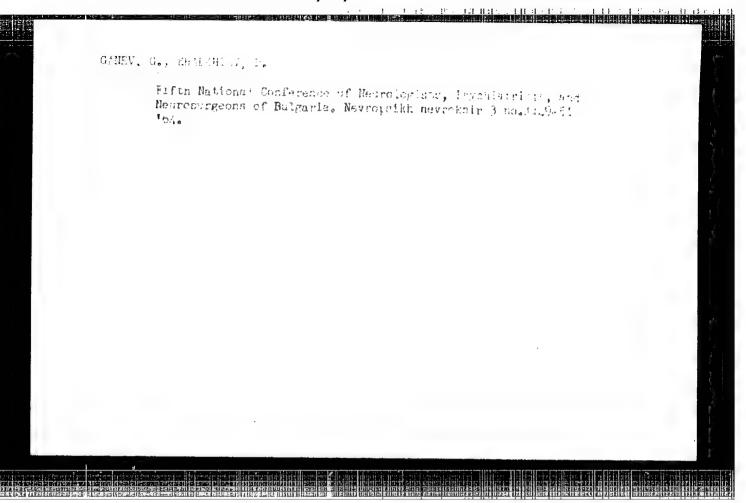
(ISONIAZID rel cpds) (PARALYSIS AGITANS ther)

GANEV, G.; KARAMALKOV, L.; KHADZHIEV, D.; TSEKOVA, M.; SIRAKOV, A.;
ATANASOV, K.; NANKOV, Iv.; TSOLOV, N.; VASILEVA, I.

Treatment of parkinsonism with a new combined preparation INHA-17 with Bellapan (Bellason). Suvrem med., Sofia no.4/5:45-53 61.

1. Is Nauchnoissledovatelskiia institut po nevrologiia i psikhiatriia. (Direktor G. Ganev.)

(ISONIAZID rel cpds) (PARALYSIS AGITANS ther) (BELLADONNA ther)



GATEV, Geneho G., inzh.

Introduction of the vibrobrick large-paneled dwellings in Bulgaria. Stroitelstvo 8 no.6:11-13 '61.

GANEY, G. and TEMKOV, I.

"Pavlov's teaching and Marx's dialectic method. p. 14" (ZDRANNO DELO) Vol. 6, No. 3 June 1952, Sofiya, Bulgaria

SO: Monthly List of East European Accessions L.C. Vol. 2, No. 11, Nov. 1953, Uncl.

GANEV, G.

Iwellings with large panels; technical and economic analysis of completed prefabricated dwellings in Bulgaria and comparison with the proposed large-panel

p. 25 STROITELSTVO) Vol. 4, no. 5, 1957, Sofiia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3, March 1958

GANEV, G.

Rational integral diagrams for spending money in the construction. p. 1 (STROITELSTVO) Vol. 4, no. 7, 1957, Sofiia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3, March 1958

GANEV, G.

"Some questions on preparing the plans for organizing and mechanizing the construction of prefabricated buildings."

p.4 (Stroitelstvo, Vol. 5, no. 1, 1958, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EFAI) LC, Vol. 7, No. 8, August 1958

GANEY, G.

"The Golden Sand Resort Hotels in Varna,"

P. 6 (Stroitelstvo, Vol. 5, No. 7, 1958, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) IC, Vol. 7, No. 11, Nov. 1958

GANEY, G.

TECHNOLOGY

Periodicals: STROITELSTVO. Vol. 5, No. 12, 1958.

GANEV, G. Some questions on introduction of steel building framework in Bulgaria. p. 30.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959.
Unclass.

DECREV, G.

"Production of parts for prefabricated buildings by continuous rolling method."

STRCITEISTVC., Sofiia, Bulgaria., Vol. 6, No. 1, 1959

Monthly list of EAST EUROPEAN ACCESSIONS (ERAI), 1C, Vol. 8, No. 7, July 1959, Unclas

GANEV, G

"Coefficients of rationalization for utilization of the assembling machines in weight lifting."

STROTTELSTVO, Sofiia, Bulgaria, Vol. 6, no. 6, 1959

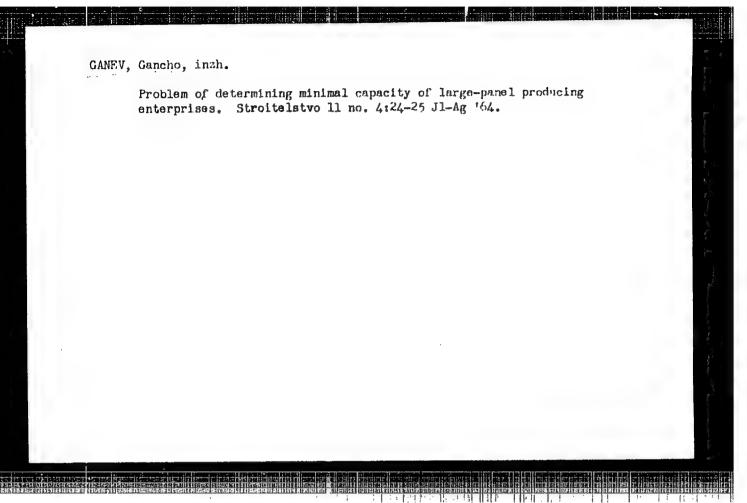
Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sun 59, Unclas

TALAKOV, A.; GANEV, G., inzh.

Direct electric cardic defibrillator. Khirurgiia, Sofia 14 no.2/3: 240-241 '61.

1. Terapevtichno otdelenie na MSCH i laboratoriiata po elektronika pri elektro-meditsinsko proizvodstvo pri Silno tokoviia zavod "Voroshilov", Sofiia.

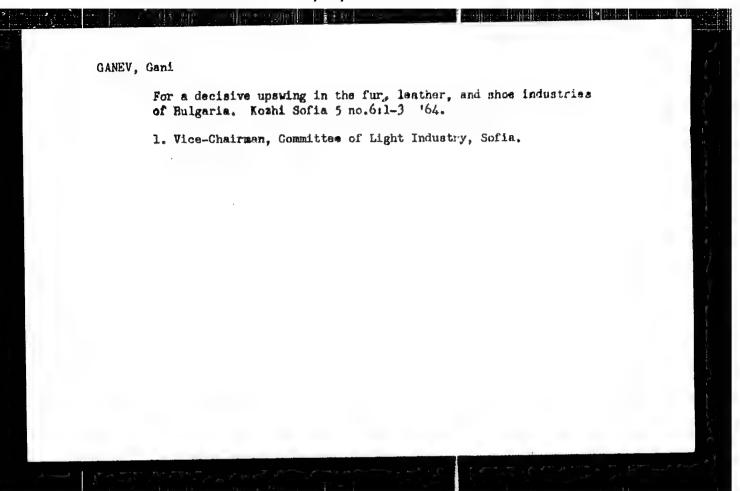
(HEART ARREST ther)



GANEV, Gancho, inzh.

Let us improve the quality of production through standardization. Ratsionalizatsiia 14 no.9:24 '64.

1. Deputy Chairman, Committee of Light Industry, Sofia.



Development and activity of the Psychoneurological Research Institute in Bulgaria. Zhur. nevr. i psikh. 60 no.11:1529-1536 '60.

(MIRA 14:5)

1. Direktor Nauchno-issledovatel'skogo psikhcnevrologicheskogo instituta, Sofiya, Bolgariya (for Ganev). 2. Zamestitel' direktora po nauchnoy chasti Nauchno-issledovatel'skogo psikhonevrologicheskogo instituta, Sofiya, Bolgariya (for Ivanov).

(BUIGARIA—NEUROPSYCHIATRY)

GANEV, I.

General solution for a girder unit on an elastic base according to Winkler's hypothesis. p. 7. Bulgarshka akademita na naukite. Tekhnicheski institut. IZVESTIIA. Sofiya. No. 3, 1955.

SOURCE: East European Accessions List. (EEAL) Library of Congress. Vol. 5, No. 8, August 1956.

GAMEY, T.

"Contribution to the integration of the basic elastic equations (the equations of Lame) for the plane case."

GODISHNIK: Vol. 4, No. 1, 1956/57; Sofiia, Bulgaria

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress, Vol. 8, No. 8, August, 1959

Unclassified

GANEY, I. USSR/Physics - Semi-conductors Card 1/1 Pub. 22 - 14/47 Kikanin, I. K., Academician; Ganev, I. Kh.; and Karchevskiy, A. I. Authors About the cause of the generation of e.m.f. in semi-conductors subjected Title to light in a non-homogeneous magnetic field : Dok. AN SSSR 99/1, page 51, Nov 1, 1954 Periodical Experiments intended to find the causes which give rise to e.m.f. in semi-Abstract ' conductors when they are subjected to light in a non-homogeneous magnetic field are outlined. One reference (1954). Institution Submitted

ACC NR: AF6034109 (A) SOURCE CODE: UR/0089/66/021/004/0321/0322

AUTHOR: Bulkin, Yu. M.; Zhirnov, A. D.; Konstantinov, L. V.; Nikolayev, V. A.; Ganev, I. Kh.; Lobanov, V. S.; Poppel', B. S.

ORG: none

TITLE: The SO-1 neutron multiplier

SOURCE: Atomnaya energiya, v. 21, no. 4, 1966, 321-322

TOPIC TAGS: nuclear research reactor, thermal neutron, fast neutron, reactor neutron flux/ SO-1 neutron multiplier

ABSTRACT: The authors describe a neutron multiplier which they have developed to operate with thermal neutrons, having a rated power 0.5 watt, a neutron multiplication coefficient 0.997, maximum fluxes in the center of the active zone 2.5 x 10<sup>7</sup> and 7 x 10<sup>7</sup> neut/cm²-sec for thermal and fast neutrons, respectively, and a flux of 10<sup>7</sup> neut/cm²-sec at the locations where the experiments are performed. The fuel is uranium dioxide immersed in polyethylene, containing 900 g of U²³³ (36% enrichment) per load. The moderator is polyethylene, and the reflector is graphite combined with polyethylene. The individual units and the control of the multiplier are briefly described. Advantages claimed for the multiplier are ease of control, protection against nuclear accidents, transportability (can be transported with a 10-ton truck), and simple construction. Possible applications of the neutron multiplier are for geological prospecting, activation analysis of isotopes and other materials, and medical applications.

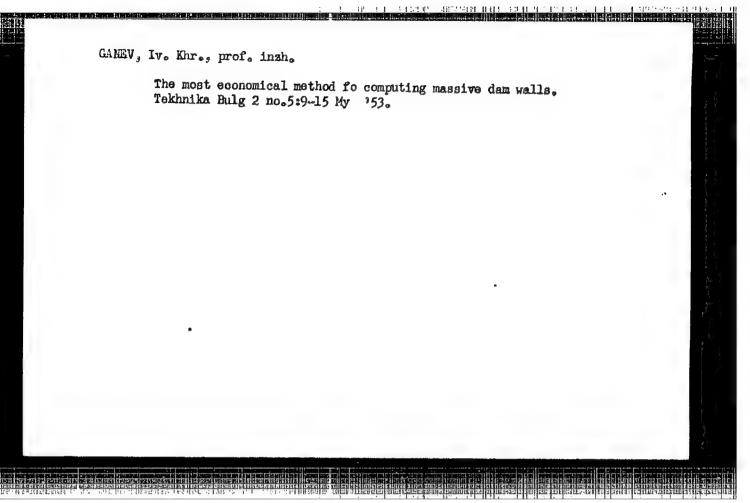
Card 1/2

Zvonov and T. A. Lopovok is also reported. Orig. art. has: 1 figure.					
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					. :

GANEV, Ivan, ikonomist

Grat rationalization activity in the G. Dimitrov State
Wool and Textile Combine, Sliven. Tekh delo 498 2 9N '63.

1. Durzhaven vulneno-tekstilen kombinat "G. Dimitrov", Sliven.



ANDREYEV, L. G.; GANEV, I. KH.; GARANIN, S. 1.

"Neutron-physical parameters of suranium-water lattices."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva,
31 aug-9 Sep 64.

GAMEY, KH.

"Some results from the statistical investigation of tow-shaped walls of dams as spatial systems."

p. 18 (Elektroenergiia, Vol. 8, no.8, Aug. 1957, Sofiia, Bulgaria.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

SOV/124-58-7-8194 D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 122 (USSR)

AUTHOR: Ganev, Kh.G.

TITLE: A Study of the Three-dimensional Static Working of Arch Dams

(Issledovaniye statisticheskoy raboty arochnykh plotin, kak

prostranstvennykh sistem)

ABSTRACT: Bibliographic entry on the author's dissertation for the de-

gree of Candidate of Technical Sciences, presented to the Mosk. inzh.-stroit. in-t (Moscow Institute of Structural Eng-

ineering), Moscow, 1958

ASSOCIATION: Mosk. inzh.-stroit. in-t (Moscow Institute of Structural Eng-

ineering), Moscow

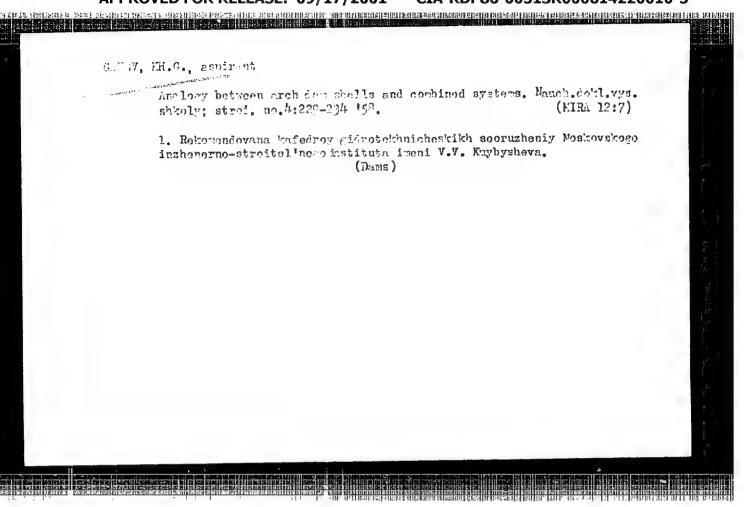
1. Dams--Theory

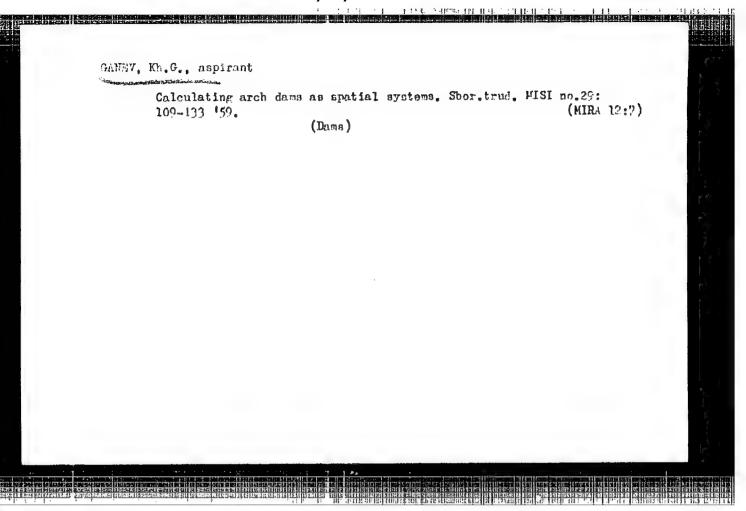
Card 1/1

Calculations for an arch dam as a slab on an elastic foundtation.
Nauch.dokl.vys.shkoly; stroi. no.3:232-236 '58. (MIRA 12:7)

1. Rekomendovana kafedroy gidrotekhnicheskikh sooruzheniy Moskovskogo inzhenerno-stroitel'nogo instituta imeni V.V. Kuyhysheva.

(Dams)

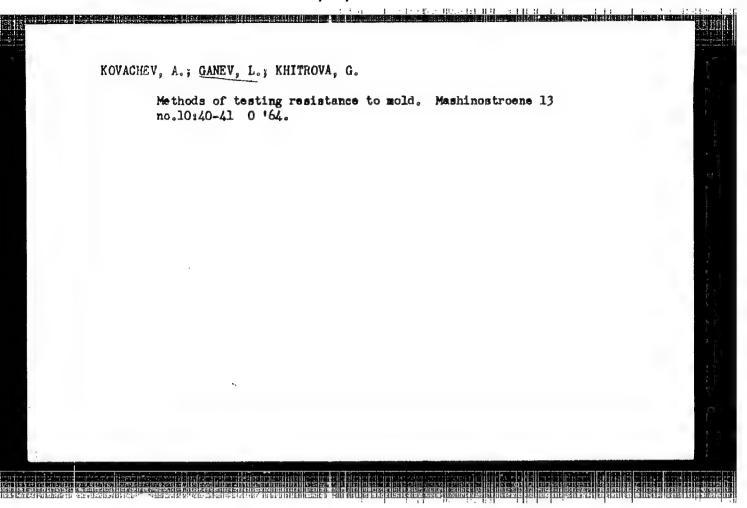




KOVACHEV, A., inzh. (Narodnaya Respublika Bolgariya); GAMEV, L., inzh. (Narodnaya Respublika Bolgariya)

Study of the moisture-resistant features of asynchronous motors. Vest. elektroprom. 32 no.4:45-48 Ap '61. (MIRA 15:5)

(Electric motors, Induction)



SOV-125-59-9-10/14

AUTHORS:

Medovar, B.I., Langer, N.A., Vesker, L.Ye., Kotsev, K., and

Ganev, M.

TITLE:

Corrosion Resistance of "IKhl8N9T"-Steel Weld Joints in Nitric Acid Production (Korrozionnaya stoykost' svarnykh soyedineniy iz stali IKhl8N9T v usloviyakh proizvodstva

azotnoy kisloty)

PERIODICAL:

Avtomaticheskaya svarka, 1958, Nr 9, pp 61-73 (USSR)

ABSTRACT:

Application of "IKhl8N9T" steel for equipment used in the production of nitric acid requires welding processes producing joints that are resistant against corrosion and intercrystalline corrosion and which is similar to that of the base metal. For this purpose, natural corrosion tests of "IKhl8N9T" steel specimens welded with different electrodes under flux were carried out at the Chemical Combine imeni Stalin at Dimitrovgrad (Bulgaria). It was proved that seams welded with chromo-nickel-vanadium-nicbium rods (OKhl8N9FBS - EI649) and chromo-nickel-vanadium rods (OKhl8N9F2S - EI606), have high corrosion and intercrystalline corrosion resistance under conditions of nitric acid production and that cold hardening by stretching, as well as by compression, increases

Card 1/2

507-125-58-9-10/14

Corrosion Resistance of "lKhl8N9T"-Steel Weld Joints in Nitric Acid Production

corrosion resistance of weld joints.

There are 5 tables, 4 sets of microphotos, 2 sets of photos, 1 diagram, 2 graphs, and 3 references, 2 of which are Soviet

and 1 German.

ASSOCIATIONS: Institut elektrosvarki imeni Ye.O. Patona AN USSR (Institute of Electric Welding imeni Ye.O. Paton, AS UkrSSR). Khimi-

cheskiy kombinat imeni Stalina, Narodnoy Respubliki Bolgariya (Chemical Combine imeni Stalin, of the Bulgarian People's

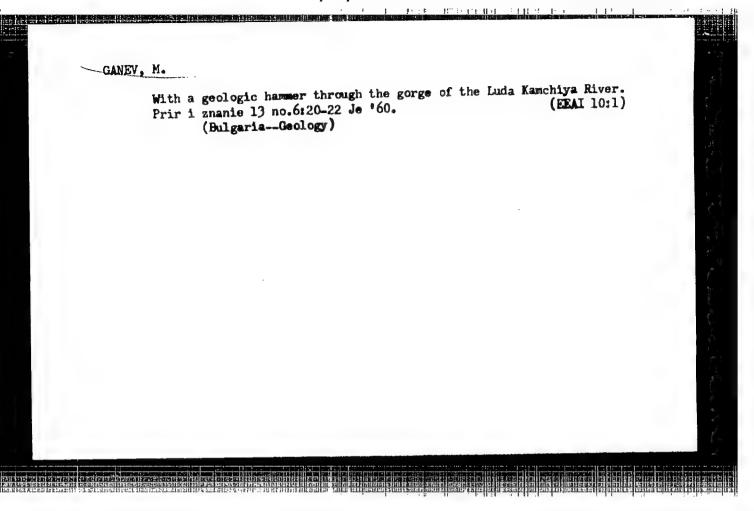
Republic)

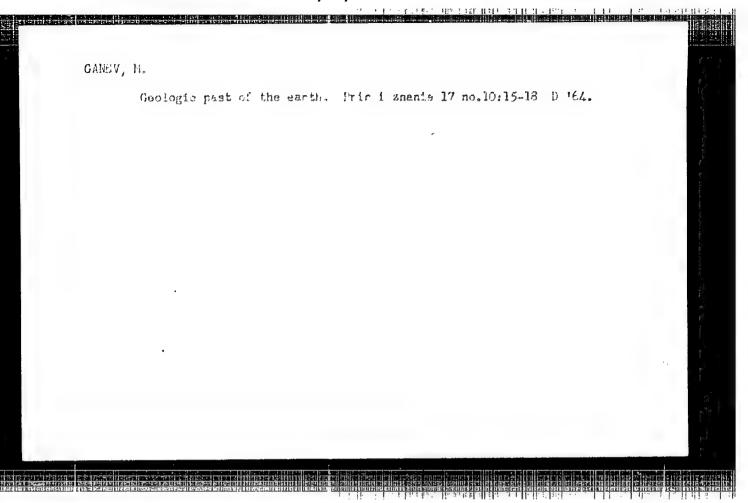
SUBMITTED: June 5, 1958

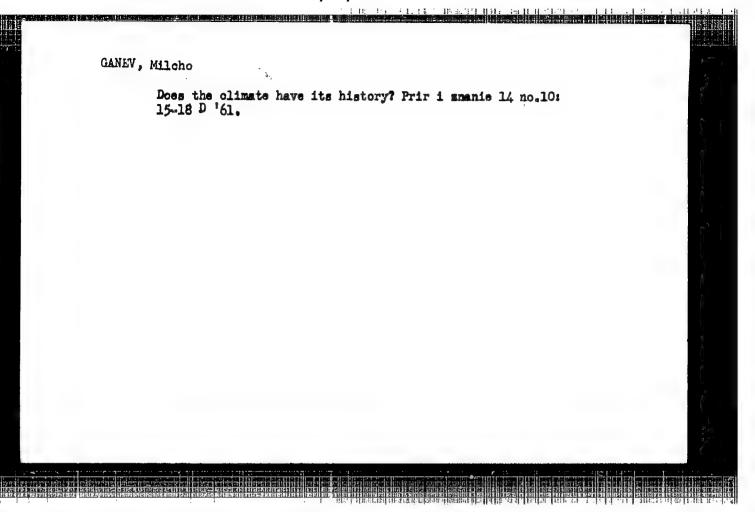
1. Nitric acid--Production 2. Welded join s--Corrosion prevention

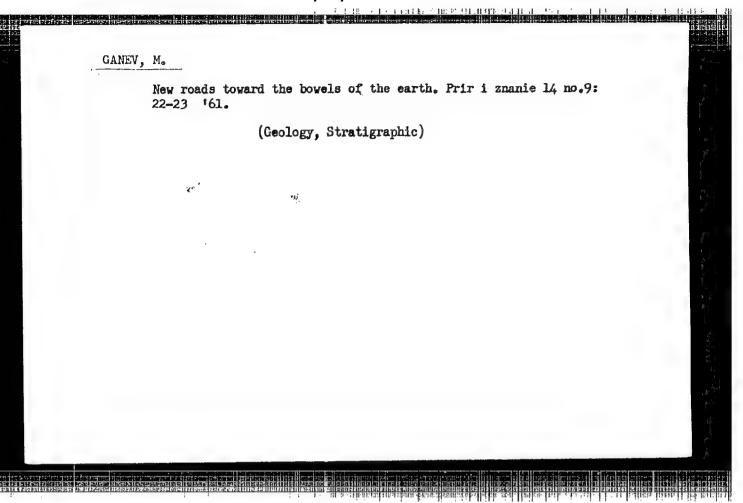
3. Welded joints--Test results 4. Electrodes---Applications

Card 2/2









CHATALOV, G.; GANEV, M.; STEFANOV, St.

Old Paleozoic and Permian in the Glozhene anticline, Teteven region. Trudove vurkhu geol strat 5:17-27 '63.

#### Diagnosis

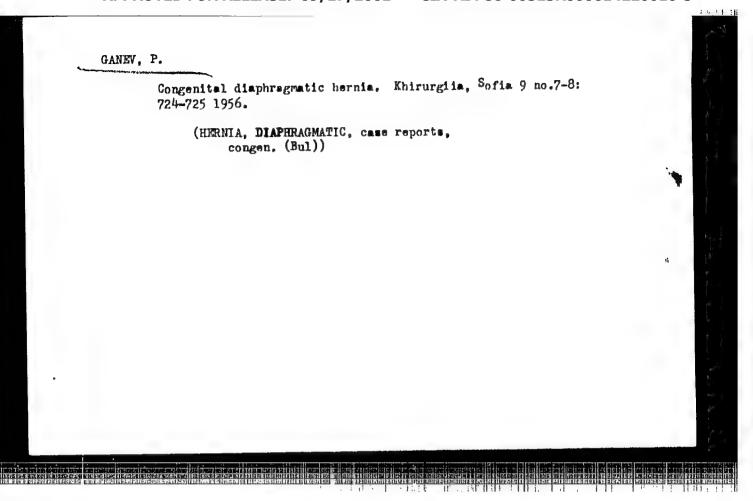
#### BULGARIA

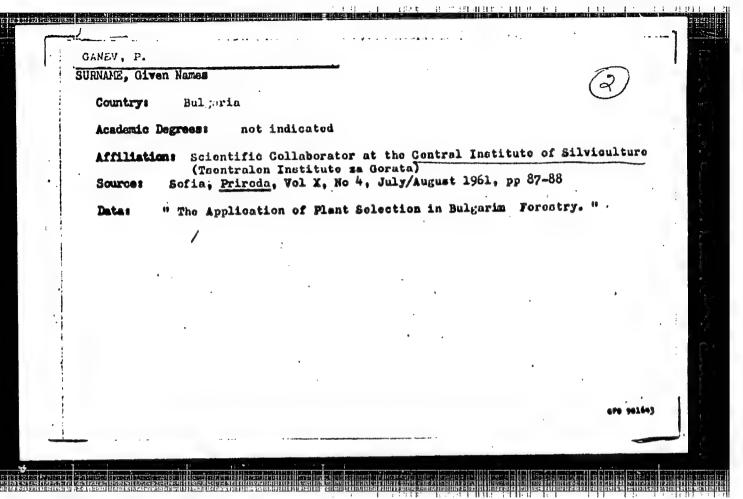
NAPLATANOV, N. D., MARINOV, Yul. P., and GANEV, M. A.: Institute of Technical Cybernetics (Director N. D. Naplatanov), Bulgarian Academy of Science

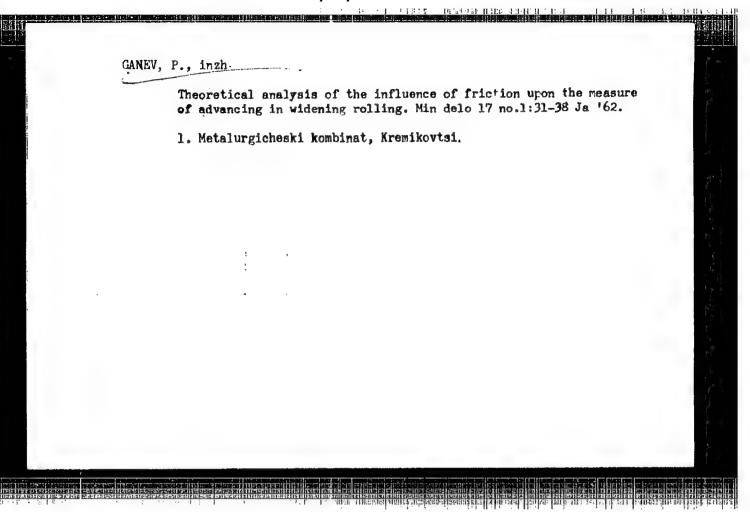
"Choice of Optimal Conditions for Diagnosis by Means of a Computer"

Sofia, Eksperimentalna Meditsina i Morfologiya, Vol 5, No 4, 1966, pp. 197-203

Abstract: A theoretical consideration of available methods for setting medical diagnoses by means of a computer led the authors to the conclusion that application of the formula of Beiss[?] (cf. R.S.Ledley, L. B. Lusted, Science, 130, 9-21 1959) or of the method of information coefficients leads to the most precise results. The method of information coefficients is convenient for mathematical modeling of information in a form in which it can be handled by a computer. By using this method, a correct diagnosis can also be made in the event that several diseases are present simultaneously. Six references (2 Bulgarian, 3 USSR, 1 Western). Russian and English summaries. Manuscript received Mar 66.

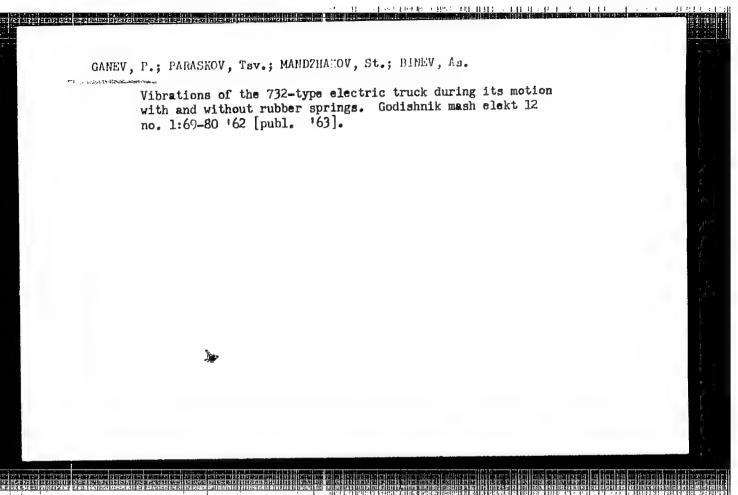






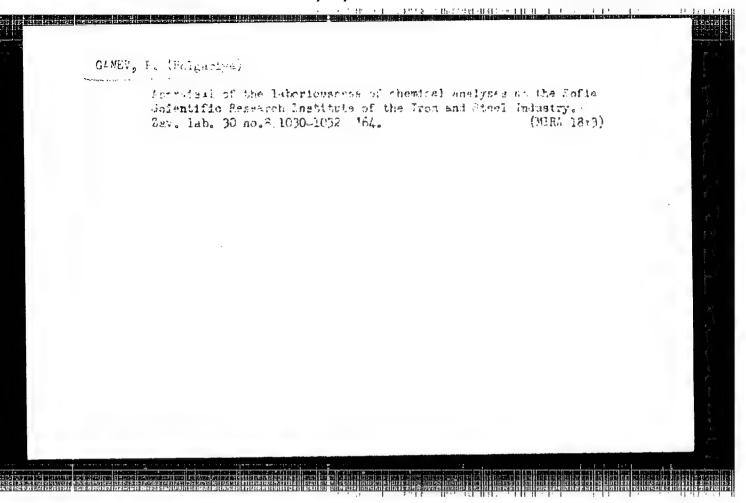
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A new method in studying vibrations of spinning spindles. Mashinostroene 10 no.12:20-22 '61.

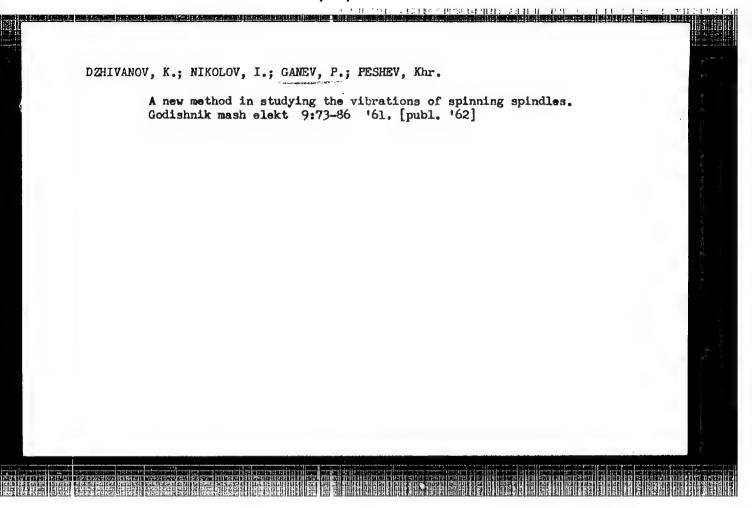


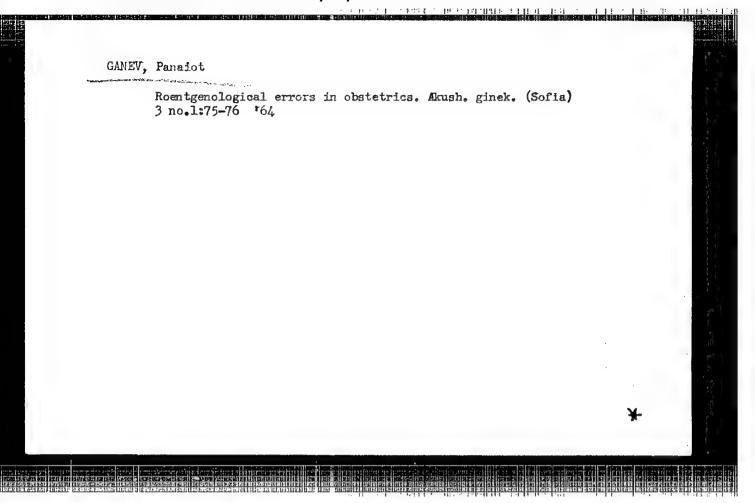
IANEV, Sp., inzh.; GANEV, P., inzh.; MANDZHUKOV, St., inzh.

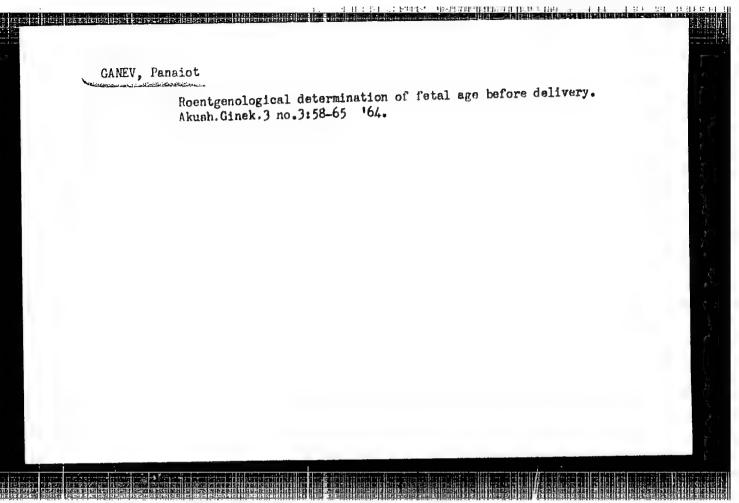
A method of determining friction losses. Mashinostroene 13 no.12: 16-18 D '64.

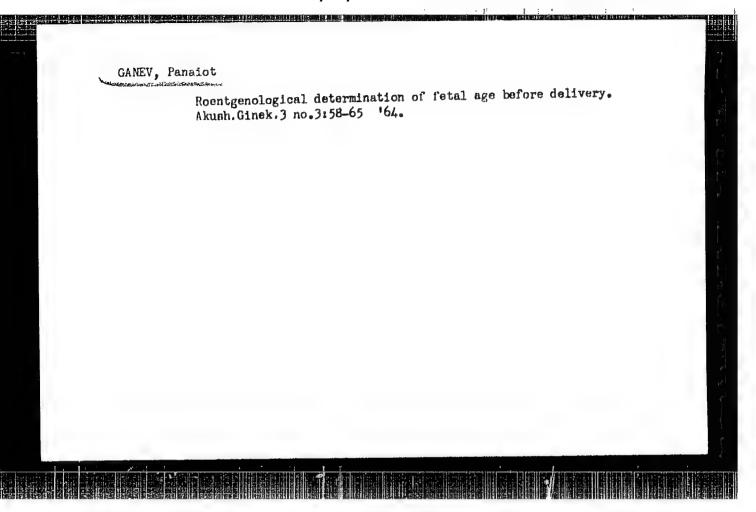
1. Scientific Research Institute for the Design, Development, and Manufacture of Metal-Cutting Machines and Instruments (for IAnev).

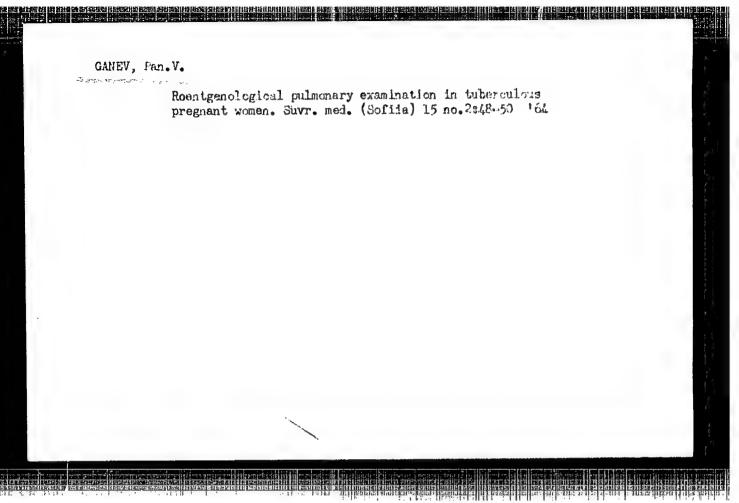
2. Machinery and Electrotechnical Institute, Sofia (for Mandzhukov).











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OGNIANOV, K.; GANRY, P.V.

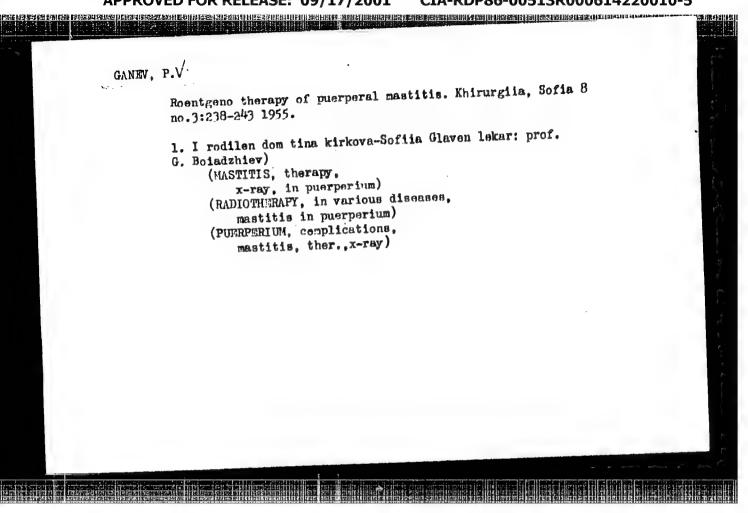
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G.Boiadshiev.

(PLACENTA PRAEVIA, diagnosis,
x-ray)

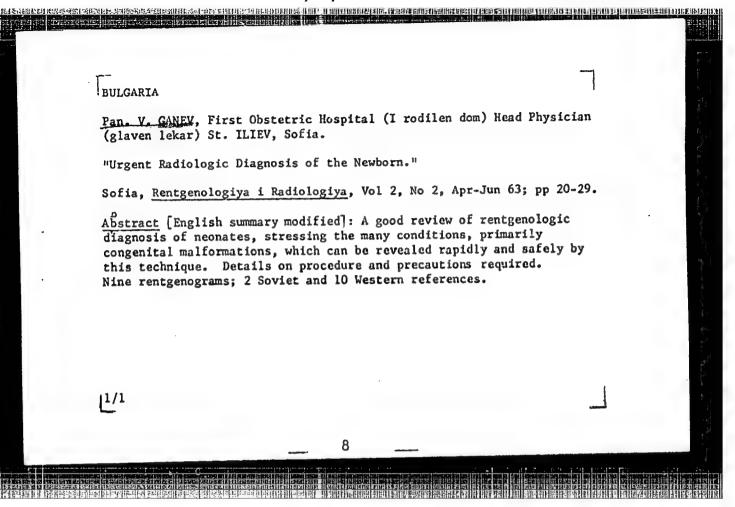


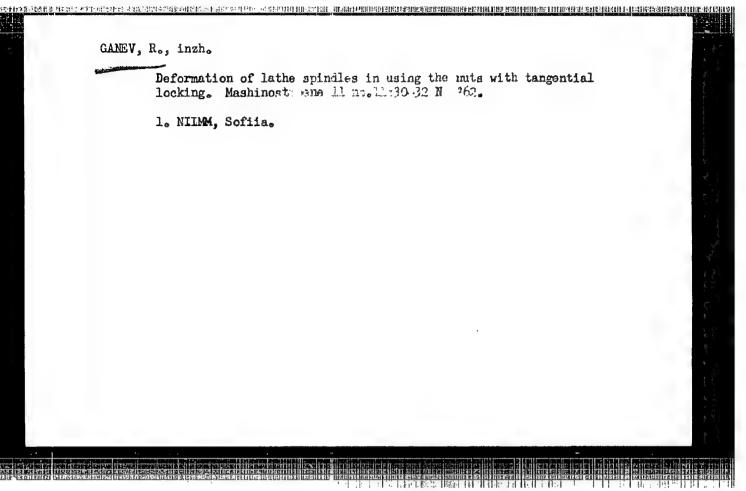
GANEV, P. V.; KUTINCHEV, M.

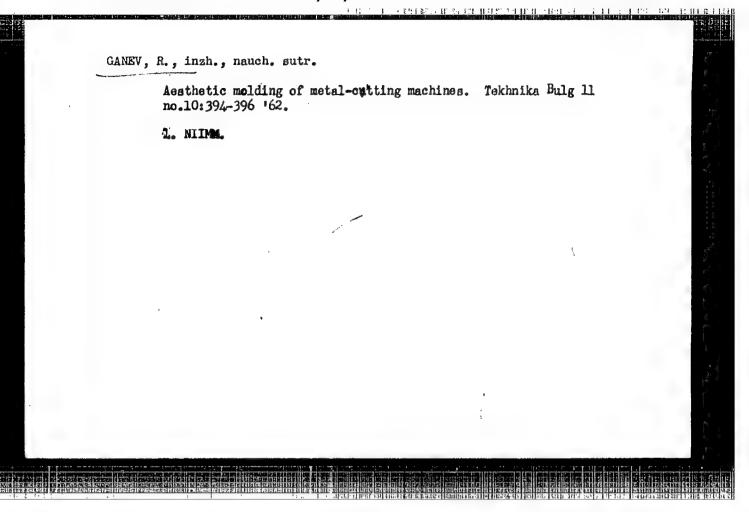
Treatment of ragadae of the mammillae with infrared rays. Suvrem med., Sofia no.2:81-84 161.

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(BREAST dis) (INFRARED RAYS)







#### "APPROVED FOR RELEASE: 09/17/2001 CIA-

CIA-RDP86-00513R000614220010-5

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SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

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"Rendering the account for the automobile transportation on the cooperative  $\ensuremath{\text{farm."}}$ 

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"Accounting of the income and expenditure of the cooperative farms; general account No. 17, 'Income and Expenditure.'"

OTCHETNOST I KOHTROL V SELSKOTO STOPANSTVO., Sofiia, Bulgaria., Vol. 4, No.4, Apr. 1959 Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 8, No. 7, July 1959, Unclas

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Youth detachment, front-ranker in high yields, p. 16

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GANEVA, L.I.; GOLYAMINA, I.P.

Properties of magnetostrictive ferrites at high temperatures.

Akust. zhur. 9 no.4:413-417 '63. (MIRA 17:3)

1. Akusticheskiy institut AN SSSR, Moskva.

ACCESSION NR: AP4000410

S/0046/63/009/004/0413/0417

AUTHORS: Ganeva, L. I.; Golyamina, I. P.

TITLE: Properties of magnetostrictive ferrites at high temperatures

SOURCE: Akusticheskiy zhurnal, v. 9, no. 4, 1963, 413-417

TOPIC TAGS: ferrite, magnetostriction, magnetostrictive ferrite, magnetostrictive ferrite temperature property, ultrasound transducer, mechanical stress measurement, magnetostrictive material

ABSTRACT: The temperature dependence essential for electro-acoustical transformation characteristics of magnetostrictive ferrites from room temperature to Curie point was investigated. The Ourie point of several ferrites is tabulated; nickel ferrite 21 is shown to have the most stable properties at high temperatures (t(Curie) = 590C). The magnetomechanical coupling k, resonance frequency fp, and magnetostrictive constants  $\wedge$  and  $\Lambda$  of a 7.7-mm diameter ferrite 21 specimen were measured as a function of temperature in a furnace at the rate of 30° per hour. The maximum relative departure of these parameters from their value at 20C are tabulated. The relative change in the frequency conversion as

Card 1/2

ACCESSION NR: AP4000410

a function of frequency drift is given by

$$\frac{\Delta \gamma}{\gamma} \approx \frac{1}{\sqrt{1+4\left(\frac{\Delta f_{\mathfrak{p}}}{f_{\mathfrak{p}}}\right)^{2} \, Q^{2}}} - 1.$$

The results show that emission from ferrite 21 under optimum magnetization can be utilized in liquids up to 400G temperatures without change in properties. Increasing the temperature to 500G reduces the emissive power by one half. This drop can be reduced 20% by adjusting the excited generator frequency. Orig. art. has: 3 figures, 3 tables, and 1 formula.

ASSOCIATION: Akusticheskiy institut AN SSSR, Moscow (Acoustical Institute AN SSSR)

SUBMITTED: 05Apr63

DATE ACQ: 13Dec63

ENCL: :00

SUB CODE: PH

NO REF SOV: 005

OTHER: OOL

Card 2/2

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